Black Horse -Car Black Box

Dual Cameras with 1080P

USER'S Manual

Preface:

Thank you for purchasing the FHD Digital Car driving recorder. This product is based on maintaining the original appearance of the original car, and hard evidence for today's traffic accident specially developed a fashion, beautiful, convenient and durable multi-vehicle driving recorder, can record your life lit by lit and it's the best choice for escort for your trip.

Product Overview:

The product is a FHD Digital Car driving recorder, It could record high resolution video 360 degree with dual front and back lens and with multi-function of G-sensor,SOS,ADAS safety aids,audio storage,videomAV output etc. Compared with the traditional video, the product is exclusive design, elegant appearance, does not affect the overall appearance, humanized design concept allows you to enjoy the noble class treatment!

Warm prompt:

●This user manual will detail how to use, operation, technical specifications and precautions. Before use, please read this manual thoroughly and fully understand, Please keep this manual, we hope our products can meet your needs and long-term service to you!

Using this product, enjoying the real high quality life.

●This manual in the printing process, the machine because of the appearance, software or hardware repair process leads to the same part of the manual operation of non-conformance, the Company has maintained the final interpretation!

●Do not put the machine into the damp working condition, this machine have no waterproof function, so please make the machine no pour water or exposed to rain water.

●Do not try open the shell or try repair by yourself, if the accessories for this machine have any problem, please do to the professional maintenance station to repair.

●Do not use the thrill chemical substance, clean solvent or cleaner to clean this machine, please use the moist soft cloth to clean.

●Do not use this machine under the condition that the dust and density is too large, to avoid affecting the video.

●Please care the environment, don't discard this machine randomly; do not throw this machine into fire, otherwise will have an explosion.

●Please pay attention to clean the lens surface, use the moist soft cloth clean the lens then use, to avoid the video is not so good.

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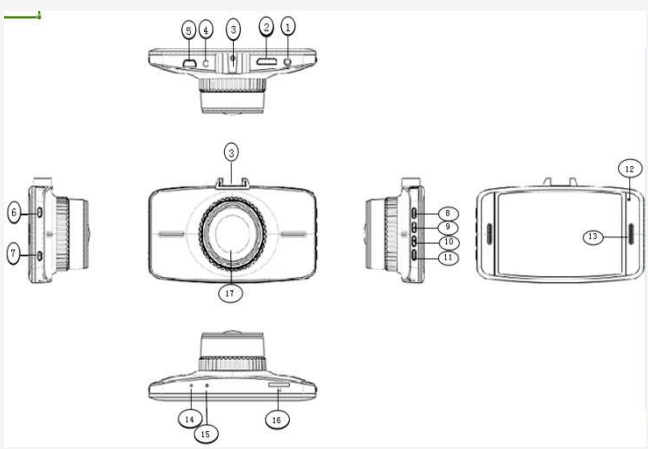
A) Structure



1）AV-OUT **2）AV IN(Back len interface)**

3)Holder Connector **4）Car charger interface**

5）AV-OUT /USB port **6）Power**

7）OK **8）MENU**

9）Up **10）Down**

11) MODE **12）Indicator**

13）SPEAKER **14）MIC**

15）Reset **16）TF Slot**

17）Len

B) Instrcution of buttons and ports

Button Name	Button Function	Instruction for Use
Power	Power on/off	1.Power on：Short press to turn on and the red indication lamp light. 2. Power off：Long press to turn off and the red indication lamp out.
Reset	Reset	1.short press to turn on again when the machine standby
OK Confirmation	Video start/stop/photograph function Menu confirmation	1： In the video mode： short press to start record, short press again to stop record 2： In the photograph mode： short press to confirm make photo 3： In the menu mode：set and confirm
Menu	Photograph/record/ playback, all functions setting	1. In the video mode: short press once to switch video setting; short press twice to switch system setting. 2. In the photograph mode: short press once to switch photograph setting; short press twice to switch system setting; 3.In the video/photo playback mode: short press once to switch playback setting; short press twice to switch system setting;
Up	Choose up Turn on/off the audio recording function	1. In the menu mode ：Up 2. In the video mode ：short press to turn on/off the audio recording
Down	Choose down	1. In the menu mode ：Down
Mode	Switch among photograph/ record/playback	1.In the video mode: Switch among photograph/ record/playback. 2.Screenshot： In the video mode, short press mode button could screenshot the current figure.
SOS Emergency Button	Press to lock the file	1. Press to lock the file when under the video status.
TF Card Slot	TF Card Slot	1； Insert the TF Card into this Slot
HDMI Interface	High definition output	1.Sonnect the HD television by HDMI cable, in the video mode, view the video/photos; in the photograph mode, make photos, view video and photos.
AV Slot	AV Output or GPS Output	1.The AV slot can't be acted as AV output if the machine be set with GPS, only acted as GPS output. 2.The AV slot can't be acted as GPS output if the machine be set without GPS, only acted as AV output.
Holder Interface	Install holder	1.Install the holder on the machine
USB Output	storage/charging	1： Connect USB cable for auto recording, and view the video/photo. 2：Connect USB cable for auto charging

C) Start-up Instruction

1.Charging:Charge by connecting the cigarette lighter

2.Auto power on/off:

After the car connect with the car power, this machine support auto video record when the car startup, auto power off and save the video when the car shut down.

2.1: the car startup- cigarette lighter connect power- auto power on and video record.

2.2: the car shut down - cigarette lighter disconnect power- auto power off and save the video.

(PS: The key for power on/off: 1. The car power connect the cigarette lighter; 2.the car start on/shut down, the cigarette lighter must have the two actions of electrify/outage)

Attention: very few cars the cigarette lighter have no outage after the car shut down; if there is no two actions of electrify/outage, then the machine can't auto power on/off, if such condition happened please consult 4'S shops or car beauty shops for modify to solve the problem.

D) Instruction of Basic operations(Record/Photography/Playback)

Video Mode:

Short press mode button to switch to video mode, there is a video recording icon shown on the top left corner of the LCD; short press OK button to start recording, the red video indication light start to flash, that is the DVR is under recording.

Video process: Power on——enter video mode——short press OK button to record——short press OK button again to stop recording.

Image Instruction

(1) Record Indication

(2)Record time

(3)GPS (Grey: Not connected, Red: Connect error or no GPS singal , White: OK)

(4) Audio Recording On/Off indication (White: On, Grey: Off)

(5) MIC On/Off (White: On, Grey: Off)

(6) Motion Detection On/off (White: On, Grey: Off)

(7) SD CARD (Grey: No TF card, Red: Card error, White: OK)

(8) Used in the model with Infrared Light

(9) Date and Time

Photography Mode:

Turn on into recording mode, when recording or standby ,Press Up button to photography.

Video/Photo Playback

Turn on into recording mode, Press OK button to stop recording, then press Mode button to Playback mode, he playback icon will be shown on the LCD top left corner.

1.Short press up/down button to selecting the file section(locked section/ regular file section);

2.Short press OK button to enter the playback section, then short press up/down button to selecting the file, press OK button again to enter single file playback(press OK button again to start playback the video)。

3.when video play, press UP/DOWN/MODE button to Pause, stop, fast forward, fast rewind, on a file, the next file. Press OK button for action.

（Attention：Under the video status, press MODE button to screenshot the current video; first stop recording, then press MODE button twice to switch the playback mode）

Playback process: Power on——enter playback mode——press MODE button twice to switch the playback mode——press up/down button to enter the section and press OK button to choose——.

press OK button to enter single file playback(press OK button again to start playback the video)。

E) Instruction of menu setting

(1)Menu Interface

Instruction	Operation
[1]、Menu [2]、Menu Name [3]、Sub Menu	1、 MENU button into menu interface ; 2、 Enter the MENU, then short press the MENU button to enter the next MENU items ; 3、 UP/DOWN to select sub menu ; 4、 OK to enter ; 5、 MODE to exit ;

(2)ADAS Safety Aids

When the speed reached more than 20 km/h and choose to enter the safe mode, will start the ADAS warning function.Then when the vehicle is off track or when there is a risk of collision with the front/rear vehicle (less than 2 seconds), will issue a warning sound and screen prompts warning information.As pictures below:

[1]	[2]

(1) Safe Driving

(2) Safe Alert

(3) Playback Preview

Instruction	**Operation**
[1]、Current Folder [2]、Delete [3]、File List [4]、Current file/ Files in total [5]、Choose folder list	1、Up/Down to select file,Ok to Play,Mode to return to preview 2 、 MENU->Folder Option Menu->Delete Menu

(4) Video Playing

Instruction	**Operation**
1、Play video(Last one, exit, pause, next one) 2、Time and files of playing 3、Fast forward fast rewind play speed of files 4、Current file/ Files in total	1、Play up/down a video options, OK play video options, MODE to stop play, back to the preview MODE 2、MENU->select videos

(5) Photo View

Instruction	操作：
[1].Current File/Files in total	1、Up/Down Key to select file 2、Mode to playback mode

F) Menu Instruction

Record Mode

Menu	Options	Instruction
ADAS	1.【ADAS Test Mode】 2.【ADAS Safe Mode】 3.【ADAS OFF】	1.Test mode will test traffic information on to the video file, no alert ； 2．No operation into the safety monitoring model after 5 seconds, danger warning information, Press any key to exit 。 3.OFF ADAS
ADAS Warning Distancce	【Far】【Middle】【Close】	Select the warning distance
Video recording time	【1min】【3mins】【5mins】	Select loop record of the time of each singal video
Frequency	【50HZ】【60HZ】	If the voltage is 220 v in the country, the choice, 50 hz 】【 voltage is 110 v, choose 60 hz 】【 (note: this setting only effective before the camera, rear view camera please chose frequency selection switch to the corresponding location).
Audio Recording	【On】【Off】	Set audio recording at the same time when the video record .Screen displays the corresponding [on] and [close] position.
Format	.【Yes】 	Choose to enter format confirmation screen ： 1.Press confirm button to enter the next option ： 2.Choose "confirm" to format, all files will be deleted 。 3.Choose "cancel", exit not format
Volume	【Low】【Middle】【High】【Off】	Set the volume

Time&Date		Choose after confirmation of time into the interface; 1. MODE button to exit without saving; 2. The Menu button to choose a; 3. The up/down button to increase/decrease the selected item 4. Again under the Menu button to choose a;OK button to save.
Language	【English】【 한국의】 【Simplified Chinese】 【Traditional Chinese】 【POCCNN】	Select Language。
Motion etection	【On】【Off】	Open after motion detecting, detect the moving object will automatically record, not record after the first 5 seconds without moving bodies.Icon into a motion detecting state.
G-Sensor	【Low】【Middle】【High】	In the video mode, if detect the intense shock or collision triggered the G Sensor, trigger the image of 15 seconds before and after images of 15 seconds, a total of 30 seconds will be saved, loop video will not cover this video.Triggered after the video status to 。
Auto off screen	【10s】【30s】【60s】【Off】	Choose the time to off screen when no recording.When safe mode started,off screen function will be forced to off
Auto turn off	【1min】【3mins】【5mins】【off】	Set no button press for some time when no recording,camera will automatically turn off.
Factory Setting	【Implement】	Choose to enter the default Settings screen. Choose "implementation" the restore default Settings, the system date, language, etc will be restored to the default.

G) Specification

Product Feature	FullHD Recording

Dual Cams	With front and back len
Angle	170°ultra wide angle
LCD Screen(size/type/resolution)	3.0"LCD/16:9/960x240
Video Size	1920x1080P
Video Format	TS(H.264)
Video Frames / TV Output	30fps,TV OUTPUT:PAL/NTSC
Photo Size	2M
Photo Format	JPG
MIC/Speaker	Built-in
Power Input	DC Car Charger output 5V/2A
Language	Simplified Chinese/Traditional Chinese/English/Russin etc
GPS	Support
LDWS/FCWS	LDWS+ FCWS+ADAS
Size	99x56x37mm
Indicator	Blue light
Memory Card	TFCard（Max support 64GB）
Built-in memory	No
USB	1：storage 2.Connect AV
Power Interface	5V /2A

H) Frequently Asked Questions

Under normal operating conditions, if there is problems with the device, please refer to the following methods to solve.

Cannot take picture and record

Please check whether there is enough space for of TF card, or if it is locked.

Stopping automatically while recording

Due to the huge amount of HD video data, please use high-speed C10 TF card with SDHC compatible, there will be the mark of C10 on the TF card.

There is "wrong file" shown on LCD when replay the photo/video

Uncompleted files because of TF card storage error, please format your TF card.

Fuzzy image

please check if the lens stay with dirt, fingerprints, please cleaned lens with paper before shooting.

Dark image when when shooting the scene of sky or water

There will have an impact on the exposure when the big difference between the scene. Please adjust the "EV" in the menu setting.

The color is not good in the cloudy or indoor

Please check the "white balance" is Auto or not in the menu.

Horizontal stripes interference in the image,

This is due to the wrong setting of light frequency error, please set the frequency 60HZ or 50HZ according to the local power supply.

Hang off

Please reset to recover when device hangs off.